



**Dada Ramchand Bakhru  
Sindhu Mahavidyalaya  
Nagpur**

**Criteria 7 Institutional  
Values and Best Practices**

**Key Indicator 7.1**

**Institutional values & Social  
responsibilities**

NAAC Reaccredited



**B+ Grade**  
(3<sup>rd</sup> cycle)

Affiliation



**Rashtrasant Tukadoji  
Maharaj Nagpur University**

National ID



**AISHE**  
All India Survey on Higher Education

<https://www.drbsmvnagpur.ac.in>



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***Criteria - 7  
Institutional Values and Best  
Practices***

**7.1**

**Institutional Values and Social Responsibilities**

**7.1.3**

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion and sustainability activities

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# Dada Ramchand Bakhru Sindhu Mahavidyalaya Nagpur

## Declaration

*This is to declare that the information, reports, true copies and numerical data, etc. furnished in this file as supporting documents are verified and found correct.*



  
Officiating Principal  
Dada Ramchand Bakhru  
Sindhu Mahavidyalaya, Nagpur-17

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# Green Audit Report

Dada Ramchand Bakhru Sindhu  
Mahavidyalaya, Nagpur (Year 2022-23)

Prepared by



*Onkar Services*

Aggregators of National & International Quality Audits



  
Officiating Principal  
Dada Ramchand Bakhru  
Sindhu Mahavidyalaya, Nagpur-17

## Acknowledgement

We at Onkar Services, Nagpur, express our sincere gratitude to the management of DRB Sindhu Mahavidyalaya, Nagpur for awarding us the assignment of Green Audit of their college premises.

We are also thankful to academic & administrative staff members for helping us during the field inspection.

We hope that the recommendations stated in this report will be useful.

*VUdar*

Vaishali Udar

Director,  
Onkar Services, Nagpur

















Energy Audit Report: DRB Sindhu Mahavidyalaya, Nagpur Y22-23.





  
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## Executive Summary

RainWaterHarvesting/Recharge	 
WaterQualityIndex	 (Good)
Laboratorywastemanagement (Solid/Liquid/Bio)	 
Canteen waste management	 
PlasticFreeCampusStrategy	
Compost Conversion	
PaperFreeProcesses	 
STP	
EnergyAudit	
Alternate green Energy source	 Solar
ResidentialSetupModule	NotApplicable
Radioactiveelements/experiments	NotApplicable

 Available / Good

 Proposed replacement in Phases

 Needs improvement

### TotalFootfall&automobilecount(Min5hoursaverageperday)

Students	2872	460 (Parking)	270 bicycles
Staff	160	160 (Parking)	

### TotalArea&GreenCoverage

LandArea	2.5068 Acres
ConstructionArea	approximate 48,506sqft
GreenCoverageFactor	approximate 12% Moderate(seedetailreport)



Energy Audit Report: DRBSindhuMahavidyalaya, Nagpur Y22-23.



  
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Use of public transport for staff & students should be promoted  
Promotion of bicycle and E-vehicles is advised

Vertical Gardening including oxygen zone is advised  
Drinking

Water System needs improvement

General Water Conservation & recycling should be incorporated

Next Green Audit is suggested only after major changes or after end 1 year's validity of this report.

#### Water Quality Index Calculation

The water quality index is calculated based on measured values for each of five parameters: Temperature, Biological Oxygen Demand, Total Suspended Solids, Dissolved Oxygen and Conductivity. Here we describe what each of these parameters means in terms of local water quality and how they are used in the index.

#### Simple Water Quality Index (ISQA)

ISQA is calculated as:  $ISQA = I_{TEMP} * (I_{BOD} + I_{TSS} + I_{DO} + I_{COND})$ . Where  $I_{TEMP}$ ,  $I_{BOD}$ ,  $I_{TSS}$ ,  $I_{DO}$ , and  $I_{COND}$  represent individual index terms with different weighting factors for each parameter.

